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## Introduction

### Introduction

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#### **Introduction**

The aim of this track is initiating the students to the basic concepts of civil engineering. In addition to the theoretical fundamentals about structures, materials, soil mechanics and hydraulics, the students will be immersed in the “civil engineering culture” and will acquire concrete experience by practical and laboratory works, basic projects and site visits.

## Teaching profile

## Learning outcomes

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## Detailed programme

### PROGRAMME BY SUBJECT

- Mandatory  
 △ Courses not taught during 2019-2020  
 ⊕ Periodic courses taught during 2019-2020  
 ✖ Optional  
 ⊙ Periodic courses not taught during 2019-2020  
 ■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

2 3

#### o Contenu:

● LGCIV1031	<b>STRUCTURAL MATERIALS AND GEOMATERIALS</b>	Bertrand François Pierre Gérard João Saraiva Esteves Pacheco De Almeida	30h+30h	5 Credits	2q	x	
● LGCIV1022	Mechanics of structures	Pierre Latteur	30h+30h	5 Credits	2q	x	
● LGCIV1023	Construction stability	João Saraiva Esteves Pacheco De Almeida	30h+30h	5 Credits	1q		x
● LGCIV1072	Soil mechanics	Henri de Chaunac de Lanzac de Montlogis	30h+30h	5 Credits	1q		x
● LGCIV1051	Hydraulic	Sandra Soares Frazao	30h+30h	5 Credits	2q		x
● LGCIV1032	Structures en béton armé	Jean-François Cap	30h+30h	5 Credits	2q		x

### COURSE PREREQUISITES

A document entitled (nb: not available for this programme lfsa132i) specifies the activities (course units - CU) with one or more pre-requisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

These activities are identified in the study programme: their title is followed by a yellow square.

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](https://uclouvain.be/fr/decouvrir/rgee.html) (https://uclouvain.be/fr/decouvrir/rgee.html).

### THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "*In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?*"

## Information

### Liste des bacheliers proposant cette mineure

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> [Bachelor in Physics](#) [en-prog-2019-phys1ba]

### Admission

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### Evaluation

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***The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".***

